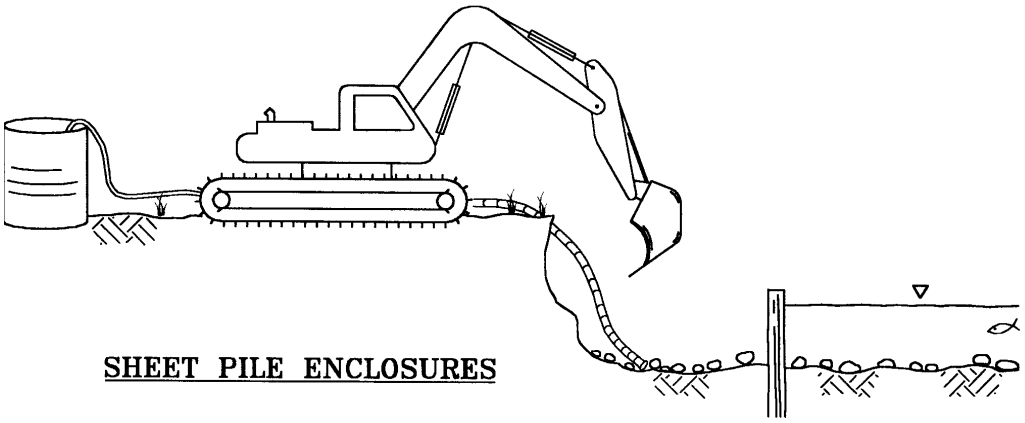
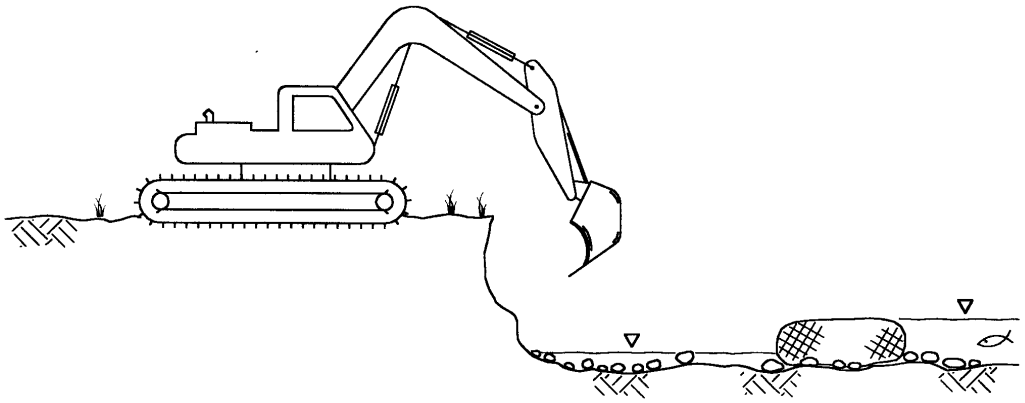
BENEFITS/LIMITATIONS
- *Allows full dewatering*
- *Relatively expensive*
- *Useful in large rivers, lakes, high velocity*
- *Not really appropriate for small streams*
- *Requires staging and heavy equipment access areas*



SHEET PILE ENCLOSURES

BENEFITS/LIMITATIONS
- *Allows partial dewatering*
- *Moderately expensive*
- *Ease of installation and removal unknown*
- *Can be designed for small streams to large rivers*

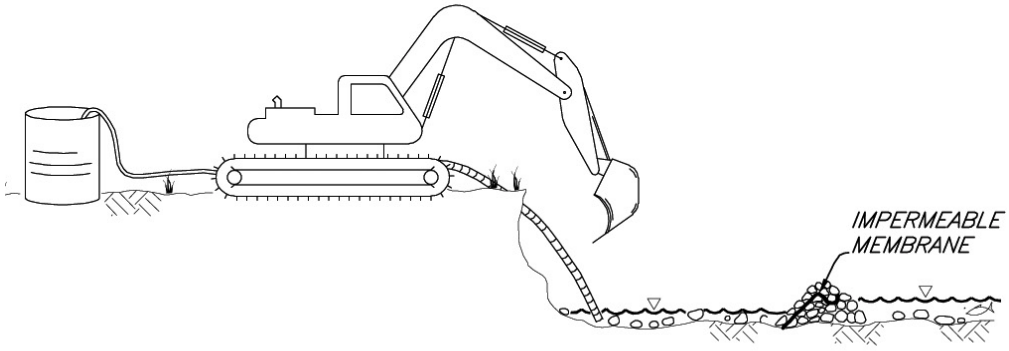


WATER-FILLED GEOTEXTILE (AQUA DAM)

INSTREAM EROSION AND SEDIMENT CONTROL ISOLATION TECHNIQUES

Figure 1A

BENEFITS/LIMITATIONS
- *Allows partial dewatering*
- *Relatively inexpensive*
- *Useful for small streams*
- *Minimal TSS when removed*



NOTES:

Step 1. Install clean gravel with impermeable membrane

Step 2. Do work

Step 3. Decommission berm by removing impermeable membrane

Step 4. Pump work area. Head differential will cause water to flow into work area through gravel

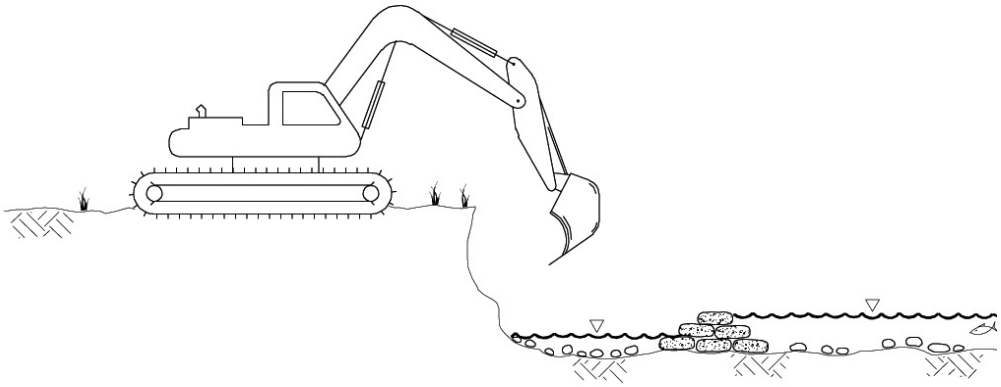
Step 5. Remove or spread gravel

GRAVEL BERM WITH IMPERMEABLE MEMBRANE

INSTREAM EROSION AND SEDIMENT CONTROL ISOLATION TECHNIQUES

Figure 1B

BENEFITS/LIMITATIONS
- *Difficult to dewater*
- *Inexpensive*
- *Labor intensive to install and remove*
- *Use clean gravel*

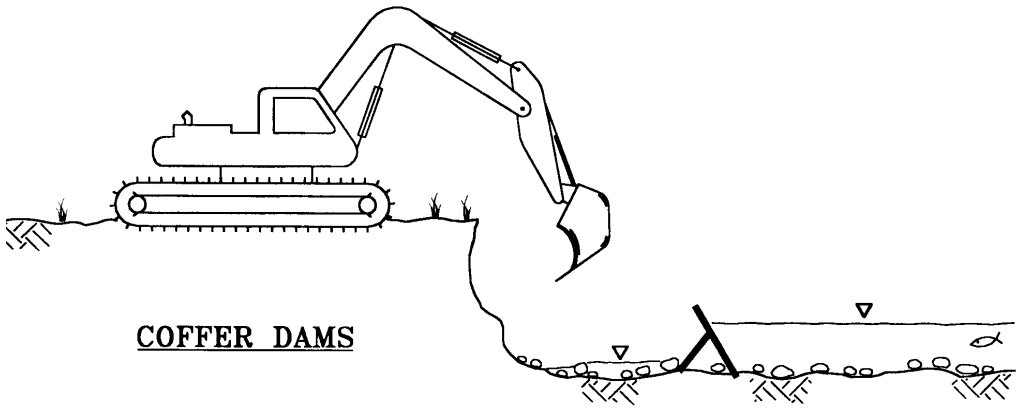


GRAVEL BAG TECHNIQUE

INSTREAM EROSION AND SEDIMENT CONTROL ISOLATION TECHNIQUES

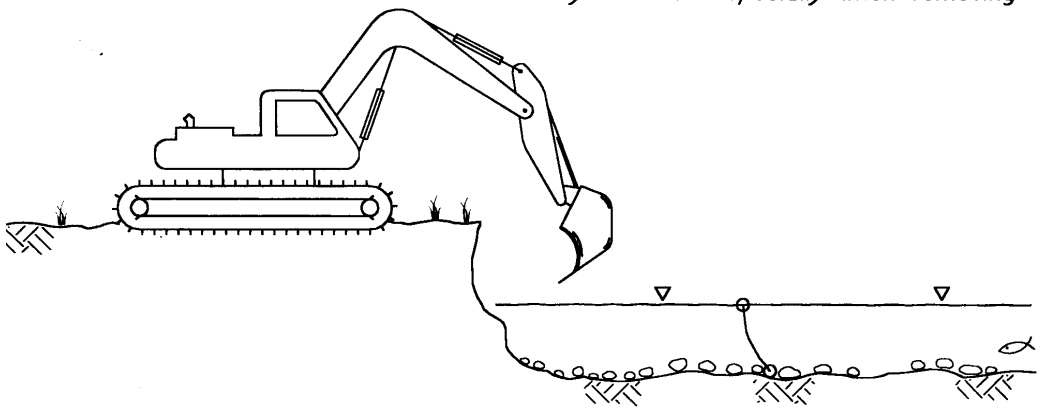
Figure 1C

BENEFITS/LIMITATIONS
- *Allows partial dewatering*
- *Many different types available*
- *Relatively expensive*
- *Can be designed for large and small streams*
- *Ease of installation and removal unknown*



COFFER DAMS

BENEFITS/LIMITATIONS
- *Does not allow dewatering*
- *Inexpensive*
- *Used in slow water lakes only*
- *Not very effective especially when removing*



:EOTEXTILES, SILT BARRIERS, CURTAINS

INSTREAM EROSION AND SEDIMENT CONTROL ISOLATION TECHNIQUES

Figure 1D